From boatanchors@theporch.com Fri Nov 29 19:12:26 1996
From: "William C. Robbins" <billrobb@net-link.net>
Subject: 4 more manuals
Message-ID: <199611291955.OAA30860@serv01.net-link.net>

I found 4 more manuals in searching thru the stuff:

HM-2102	VHF Wattmeter (Copy)	$4
DX-20	Transmitter (Condensed)	7
HO-10	Monitor Scope (Copy)	10
AC-1	Antenna Coupler (Copy)	3

All prices include Shipping.

Bill

WA8CDU   Heathkit Collector

From boatanchors@theporch.com Fri Nov 29 19:12:26 1996
From: vancleef@netcom.com (Henry van Cleef)
Subject: AA5's forever---and more on squeal stoppers
Message-ID: <199611290956.CAA02703@netcom10.netcom.com>

I have been working away on the S-38 I picked up last weekend. Since this is my first tangle with one of these little giants, I've gotten a bit more familiar with some of the "important low points" of the design.

Which reminds me of the first serious history course I took as an undergraduate (and those who know me have learned that my formal education is history, both undergraduate and graduate). It was a course in the history of the English Constitution (not written down anywhere). At the end of the semester, some bright young lad asked the professor, who was about as seasoned and old pro as one would want, and a delightful old gentleman, if he would go over the "high points of the course" for the final exam. The prof said, no , he wouldn't do that, because he would then have to ignore all the important low points---which was what the course was all about.

The first question on the exam was "to whom was the term "The King's Prime Minister" first applied and in what context? The second question was "who referred to herself as 'the King's Protestant whore' and what was the significance of her so identifying herself?" Those who know English history will, of course, recognize Horace Walpole and his self-appointed status for a king who could not speak English, and Nell Gwynn, mistress of Charles the Voluptuous.

Now, before Jack complains, let's get down to the radio stuff. I've commented in the past about Bill Halligan's penchant for hiring good designers and paying them to do their homework. The S-38 is an AA5 done up with all the bells and whistles. It resembles, to a great extent, the sample circuit that RCA published in the 1940 RC-14 tube manual, which was early AA5---before the cost cutters had gotten to it. There are a few significant differences, beyond the provision of four bands and a BFO and a semblance of a noise limiter in the S-38. Following an early Sams schematic, which is what I am using, is something of an adventure. It is wise to examine the radio against the schematic and correct errors in the schematic and parts lists. The voltage charts are also filled with hokum---Sams' techs may have been using an autoranging DVM. I have yet to see a published schematic and parts list that agrees 100% with the radio on the bench, even when it is clear that the radio is completely original, and this one is no exception.

Some interesting features of the S-38.
a. The chassis is, as with most AA5's, connected to one side of the line, with the power switch in the chassis side---meaning that the whole radio is on the non-chassis side of the line when powered off, and that if the plug is inserted in the wall socket the wrong way, the chassis has 110 VAC on it referred to ground. The RC-14 sample schematic shows use of a B- bus isolated from chassis ground. The S-38 had originally four rubber grommets to isolate the case from the chassis. Two are on the mounting screws on the back; two are rivetted in place on the slide switch brackets in front. In this set, all four have long since petrified and gone to the great grommet ground in the sky. There is a huge (.25 mike) cap connecting the case to the chassis for AC ground. That'll pass a lot of 60 Hz. AC and give you a pretty good buzz.

b. The power supply is exotic, compared to most AA5's. There is a 390 ohm parallelling resistor across the pilot light/35Z5 short heater section, recommended by the book, but omitted by most AA5 manufacturers. The B+ budget for the set calculates to about 73 ma. with the BFO on, slightly more than the usual AA5 65-70 ma. There is a third filter section, used to feed the audio tube plate and the local oscillator screen with something resembling DC.

c. The 35L6 output tube has a large electrolytic across the self-bias resistor, almost always omitted in AA5's. I analyzed the effect of this. The 35L6 has a transconductance around 6000 micromhos, and with the capacitor in place, the tube can be driven to full output with about 6.5 volts on the grid. With the cap removed, and 150 ohms in the cathode, the transconductance of the circuit is around 3000 micromhos, and requires about 13 volts for full output. Most AA5's are quite capable of producing the 13 volts from the 6SQ7, so the effect here is to increase the gain for 50 mw. output on weak signals, a published figure of merit for receiver sensitivity. The price paid is loss of linearity in the audio amplifier, as the tube's transconductance varies all over the lot, particularly as you approach cutoff. A 50L6 has a higher transconductance (8000 micromhos at -7.5 volts bias), so a 150 ohm unbypassed resistor gives an effective transconductance of about 3500 micromhos (naw, I didn't do the arithmetic to three figures). However, since the conductance of a resistor remains linear, the effect of the resistor and the tube in series is to linearize the effective transconductance in the whole circuit. In short, a 35L6 or 50L6 with the self bias resistor unbypassed presents a gain figure very close to that of a 6V6 with bypassing in the cathode circuit.

d. Frosting on the cake is inclusion of a second 220pf RF filter on the 12SQ7 audio amp output.

This set is chock full of squeal stoppers, and with good reason. It is also full of long wires. The grid drive to the 6SA7 oscillator has 47 ohms in series with the DC blocking cap. The band 4 (highest frequency) antenna coil to the 12SA7 signal grid is not connected to the AVC bus, but is grounded through a 2700 pf. (3000 actually used in the receiver) cap parallelled by a 470K resistor. This is actually an audio frequency high pass filter, but I have seen such a combination effective in shutting up HF squeals from a pentagrid. It probably was determined as "needed" in prototype testing. Debugging the type of squeal this fixes can be a real nightmare, because it shows up a the higher end of HF, where a 6SA7 or a 6BE6 is wimpy, and it seems that just thinking about putting a probe in the circuit will kill enough Q to make it go away.

Both the AVC defeat circuit and the B+ feed to the BFO have 470 ohm resistors in their lines. The lead from the AVC bus to the AM/CW switch is over a foot long, and the B+ feed is also quite long. The schematic shows the BFO grid and cathode connections being fed through shielded cable, but the set is wired with plain wire. The way the schematic is drawn, it appears that both the cathode connection tot he Hartley coil tap and the end of the Hartley coil are grounded. Not so, it's the shield (that isn't in the radio) that is supposed to be grounded. Two good places to break out some 47 ohm 1/8 watt resistors in place of the wires.

I'm astounded at the length of some of the wiring in the set. In particular, the antenna lead runs a foot through the set to the bandswitch (the other lead is only about three inches to the antenna coil), and I might just hang my Boonton 250A RX bridge on that circuit and see what the characteristic impedance is at higher frequencies and see if this can't be improved.

In the cleanup and noxious chemicals dept., this set has responded to soapy water and ammonia, for the most part, followed by a buff-out of rust spots with a Scotch-Brite [TM] wooly pad. The tuning cap, which was covered with crud, came off and got a 24 hour dunk in a soapy water solution. Results: clean cap and dirty soapy water. No noxious chemicals needed.

Someone asked about the impedance characteristics of metal film resistors at high frequencies. Since the Boonton 250A RX bridge measures resistance directly at up to 250 Mhz., I tried a few. The resistance was down about 10%, but there was no reactive component. These were off-the-shelf Mouser resistors, nothing special. I used them in the S-36A project, and if they're stable in an S-36A at 143 Mhz., they're probably no problem in HF receiver work.

--
==
Hank van Cleef
E-mail vancleef@netcom.com or vancleef@tmn.com
==

From boatanchors@theporch.com Fri Nov 29 19:12:26 1996
From: rhys@ix.netcom.com (Lawrence D. Wolken)
Subject: Adjusting old IF xfrmrs
Message-ID: <199611291613.IAA24661@dfw-ix12.ix.netcom.com>

Howdy Gang --

Help is needed with adjusting the old IF transformers and other coils with ferrite slugs. I've been working on some Hallicrafters from the '40's thru '60's and always seem to get stymied at the same place. As I'm aligning them all goes well till one or more of the adjustable ferrite cores in the coils gets jammed. It's hard to see in there but it looks like the threaded edges of the slug are breaking off as I turn them and the debris is then jamming the threads. HELP!

There must be a better way. What's your system, tricks, etc?? The next one on the list to do is an SX-42 which I badly don't want to screw up. Your help is MUCH appreciated.

Also once the threads are jammed does anyone have suggestions for freeing the slugs up or is that a lost cause? Thanks in advance for

your experience.
Larry

From boatanchors@theporch.com Fri Nov 29 19:12:26 1996
From: Ronnie Hull <larebel@ms1.nwla.com>
Subject: another to trade
Message-ID: <1.5.4.16.19961129070721.2507be8c@ms1.nwla.com>

I sent the message yesterday but it never appeared. Must have sent it to
"computer nervanna"

okay, I have come across another computer that I can get right, one that
will make someone a
fine acquistion. I will trade it for a 75A4, or 75A3. I am also still in the
market for a
valiant I or II, and a Johnson 500.

Pentium 75mhz intel processor, minitower case, 32mb ram, 1.2gb hard drive,
212mb hard drive, 1.44 floppy, 28.8 modem, sound card & speakers, CD Rom (4
speed), Super VGA card, mouse, and 101key keyboard. This machine would cost
1500 at least.

anyone interested?

Ronnie - W5SUM

From boatanchors@theporch.com Fri Nov 29 19:12:26 1996
From: Mike Sullivan <michaels@kc2kj.k2nesoft.com>
Subject: AR-88 Article from RCA Newsletter
Message-ID: <329F2881.3E8258F9@kc2kj.k2nesoft.com>

Note: The following is provided to the list given the interest in the
AR-88 shown in the various discussions recently. It is from an internal
RCA employees newsletrteer dated December 1976. I have some internal
engineering notes I was able to salvage prior to the move out of the old
RCA engineering buildings a few years ago. Copies can be made available,
or I shall post them on a public server. The successor company is
Lockheed Martin Communications Systems, Camden NJ 08109.

A Model AR-88 - A Classic in Radio Design

(Ed. note: TREND rreaders may be

interested in a brief history of an amateur radio receiver that was designed by RCA and is still in use after 35-phus years. Ed Braddock. W28AY/W1BBK, and formaly Manager, Amateur Radio Section, Engineering Products Division, Camden, N.J., provided us with the following material for an interesting story.)

It is unusual that an electronic equipment design weathers the technological advances over a period of 35 years and is still found suitable for use by an exacting group of radio operators. This situation exists today for the Model AR-88 Communication Receiver in the operations of RCA Marine Radio Station WCC on Cape Cod, Mass. Here, these receivers are in daily use for world-wide ship-to-shore message handling. Other RCA shore stations, such as WSC, Tuckerton, N.J., also use them.

The initial concept of the AR-88 design was to provide a deluxe model to be sold by the RCA Amateur Radio Section as a sequel to a prior model (AR-77) in the amateur equipment market of 1939-1940. The AR-88 was designed as a general purpose 6-band communications receiver, covering frequencies of 535 kHz to 32 MHZ. The electrical design of this receiver was done by Lester T. Fowler and the mechanical design by George Blaker, both of whom are now retired.

However, before the AR-88 reached the production stage, the outbreak of World War 11 created an export market, particularly to Great Britain, that was going to greatly overshadow the dwindling domestic amateur market. (Amateur operation was not permitted during World War II, curtailing the equipment sources for amateur stations.)

To meet this changing market demand, organization of the AR-88 production and sale was taken over by Export Sales, under the late Charles W. Roberts, at the Camden offices. Large numbers of the units were produced in the RCA plants in Camden; Bloomington, Indiana; Montreal, Canada; and in the Grigsby-Grunow plant in Chicago Ill. Most of these receivers were procured by Great Britain and used at many places, including the Battle for Britain. Russia also used the receivers.

During that time, when RCA's short-wave shore facilities were being expanded, many AR-88's were installed to meet the increase in message traffic. These receivers have been kept in use up to the present time as shown by the accompanying photograph.

One of the problems in keeping a receiver in service 24 hours daily for 7 days each week over the years has been the availability of replacement parts. Fortunately, components were found in military supply depots set up during World War 11 in Tangiers, Africa, and in San Juan, Puerto Rico, preventing many of these venerable AR-88's from being retired from service.

After World War II, many of these receivers were sold in surplus markets where they were purchased by radio amateurs and are still in use.

From boatanchors@theporch.com Fri Nov 29 19:12:26 1996

From: "Jack Giehl" <jackg@one.net>
Subject: BC500G Transmitter
Message-ID: <199611290501.AAA30678@one.net>

Dear BA Enthusiasts,

My friend Charlie knows of a Gates BC500G that is available. This is an AM broadcast transmitter that runs 500 watts. It has a single 833 modulated by a pair of 833's. Charlie told me an additional 833 can be added to the final to run a KW out.

The transmitter is located in Florida. The best part of the deal is that the transmitter is FREE! This is a much better price than the SX-88 advertised a few days ago!

You only need to load it up and haul it away.

If interested, email Charlie at wa4imc1@aol.com. Tell Charlie that you heard about this from Jack, WB8BFS.

Jack
===
Jack, WB8BFS
jackg@one.net Loveland, Ohio (near Cincinnati)
===

From boatanchors@theporch.com Fri Nov 29 19:12:26 1996
From: Dave Wood <W4EJ@coastalnet.com>
Subject: Catalogs
Message-ID: <199611291736.MAA20390@abaco.coastalnet.com>

Hey gang, in need of 1960 to 1965 Heathkit catalogs to fill out my collection of Heath and Allied catalogs. Thanks in advance. Dave

---

From boatanchors@theporch.com Fri Nov 29 19:12:26 1996
From: Mike Sewell <75143.2737@CompuServe.COM>
Subject: RE: Collins Patent on Mechanical
Message-ID: <961129225406_75143.2737_IHV63-1@CompuServe.COM>

Chuck,

Earlier, you wrote;

> Now for the question, does anyone know if the Lafayette HA-350 had a

> mechanical filter, and did Collins have a patent on that design; do
> they still? Curious minds want to know! I used to sell the
> receivers, but don't remember the details.

According to my 1965 Lafayette catalog (page 172);

"In the HA-350, ultra-sharp selectivity is achieved by means of a true mechanical bandpass filter in the 455 k.c IF section."
List price - $189.50.
Don't know about the patent!!

73, Mike   K 0 Collects Radios eXclusively

From boatanchors@theporch.com Fri Nov 29 19:12:26 1996
From: "John H. Dilks III" <oldradio@worldnet.att.net>
Subject: Free: Model 28 TTY + more?
Message-ID: <19961129123832.AAA23403@LOCALNAME>

BA,

A friend has a Model 28 TTY and needs to get rid of it. I'll pick it up and hold it for one week (outside) if anyone will committ to picking it up. It's located in the Atlantic City area in Southern New Jersey. Please E-mail me asap if interested.   Please include your phone number.

-also- A possibility of a 4' rack (VHF?) transmitter with A.M. Modulator. Watch on here late Saturday for more on this, if it is available. (I didn't look very close at this about one year ago, so I'm not exactly sure what it is.)

73' John,

```
.=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-.
|     73's from John H. Dilks, K2TQN, oldradio@worldnet.att.net      |
|                                                                    |
|   There's always something new about old radio on our Web Page.    |
|                    We update it every week!                        |
|=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-|
|     NJARC is on the WEB -   http://www.globalent.net/oldradio      |
|       Bringing Radio History to Everyone.  -  Check us out!        |
`=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-'
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From boatanchors@theporch.com Fri Nov 29 19:12:26 1996
From: Karan Lee Carruth <klccarru@tenet.edu>

Subject: FS or Trade: HRO-50T
Message-ID: <Pine.OSF.3.91.961129113351.29490B-100000@alpha.tenet.edu>

HRO-50T
Matching Speaker in original box
Wooden coil storage rack for three coils
Coil sets: A, B, C, D, AA
Dial drum is full with the following scales: A, B, C, D, E, F, AA, AB, AC

I am the second owner of this radio. Condition is excellent. Performance is excellent on all bands. I have noticed only two anomalies with this radio: 1. What was apparently a screw-type terminal strip for the antenna connection has been replaced with a coax connector that is in the slot where the original terminal strip was; 2. The volume pot has some noise in about the lower 1/3 of its range. The radio is very clean. Paint is excellent with very minor scratches visible if you look close.

$550.00 FOB Dallas. Pick up or will arrange for UPS foam packaging or whatever you want within reason. Will consider any of the following as trade material: TCS, TBX, HW-8 or HW-9. Trades must be in excellent, unmodified and complete condition.

Lenox, WA5OVG
klccarru@tenet.edu
(214) 348-5074

From boatanchors@theporch.com Fri Nov 29 19:12:26 1996
From: Bob Rolfness <rsrolfne@atnet.net>
Subject: FS: Electronics Course
Message-ID: <329F1AF6.7091@atnet.net>

Greetings All

Just found several apple boxes full of large three ring binder documents that make up the course home study material from the DeVRY Institute of Technology Bell and Howell Schools Television Servicing Cousre form the late 1960s or early 1970s. They are in excellent condition with no marks, etc.

Each binder is a complete subject cousre and are listed below.

Course Number	Title
104	Introduction to Electricity and Electronics

125	Active and Passive Components
242	Alternating Current Effects and Basic Ampkifier Circuits
252	Basic Electrinic Circuits - Applications
74	Electronic Circuits and Systems and Electronic Applications
41	Radio Communications I
42	Radio Communications II
52	Logic Circuits
75	Radio and Sound Servicing
53	Electronic Instrumentation I
54	Electronic Instrumentation II
76	Television Principles - Part 1
77	Television Principles - Part 2
78	Televison Servicing
79	Color Television
80	Setting up a Repair Business

$10 each for individual courses or $135 for the works, plus UPS. I am located in 98837, Moses Lake, WA.

This home study cousre came with several Heathkit test instruments and their large Television Set as you progressed thrugh it. I have no idea what happened to the scope, and television, etc., but the Heath DVM comes with the complete package. Or is also for sale for $15.

73's Bob W7VZX

From boatanchors@theporch.com Fri Nov 29 19:12:26 1996
From: 4CX250B@miavx1.acs.muohio.edu
Subject: Re: Hallicrafters S20R Restoration
Message-ID: <v0300781caec40f2aa4ec@[134.53.136.104]>

>Hi Jim,
>Thanks for your history on restoring an S-20R. It will be very helpful to my
>restoration effort. Yesterday, I bought repacements at our local surplus
>store for all the paper caps and lytics. I think I will just take off the
>bottom plate of the S-20R since there seems sufficient room to work. I will
>be reforming the new, old replacement lytics, etc. as you did.
>Two questions- How far off can I go with the lytics. The original ones are
>10, 10, and 30 MFD all at 450 WV. I have a couple of similar size cans, both
>450 WV, one with 10, 10, and 10 and the other 20, 20, and 40.
>Also, it's been awhile since i restrung a dial coard. The main dial cord is
>broken. What are good choices for replacements?
>73, Doug W0AH

Hi Doug,

Just use the 20,20,40 electrolytic and the receiver will be better than new. With the original electrolytic, there is a trace of hum, especially with headphones, and with the larger values it will be reduced. Unless your S20R is especially clean, I'd still advise taking the chassis out of the cabinet. It's not as big a job as it seems at first glance, and you can't really clean the grime off the dials and the inside of the dial cover without removing it. Also, replacing the dial cord won't be easy, since you don't really have room for your fingers to fit the dial cord in place on the pulley.The chassis lifts out easily if you remove the screws holding the speaker in place, the two long screws which secure the rear of the chassis to the cabinet., and a few nuts on the front panel controls. As I recall, you may also have to disassemble the rear of the cabinet, but its not difficult to do. It takes about ten minutes to get the receiver apart.

Re replacement dial cord, if you're not in a big hurry, you can order some from Antique Electronic Supply. An alternative is to use braided heavy fishing line, available from Walmart. I took the later route with my S20R, but the fishing line wasn't quite the same diameter as the original cord, and while it seemed to work okay, I'll probably replace it with the real McCoy next time I tear into the rig.

One hint.: You should align the receiver when the chassis is in the cabinet, since the cabinet shifts the alignment points somewhat. I did a rough alignment with the bare chassis on my workbench, and then touched it up when the receiver was back together.

Good luck,

Jim W8ZR,

From boatanchors@theporch.com Fri Nov 29 19:12:26 1996
From: "Douglas M. Gordon" <dmgordon@electriciti.com>
Subject: HRO-50T1 pricing
Message-ID: <1.5.4.16.19961129162920.1d7f2d82@electriciti.com>

Hello BA cost appraisers,

I have a chance to pick up an HRO-50T1 with A,B,C,D coils and scales. No Calib, no NBFM and no speaker. (s/n 3xx) Knobs ok. Some small dings in cab, lots of deep scrapes and scratches. Some rust on chasis and cabinet. No feet, etc. Electrical condx unknown. Would like to offer a fair price. Any feedback from list members familiar with this receiver would be deeply appreciated. Thank you.

73,

Doug K6PUN

Carlsbad, CA

From boatanchors@theporch.com Fri Nov 29 19:12:26 1996
From: pmills@A.crl.com (Phil Mills)
Subject: KWS-1 help needed again!
Message-ID: <199611292139.AA22710@A.crl.com>

It has indeed been a bad day at St. James Gray rock. I've managed to toast not one but _two_ plate chokes. Both times, I was trying to load into a dummy load on 15 meters to test the output. The first time it happened, I was in "operate" mode and drawing about 600 mils plate current. The second time it happened, I was in "tune" mode and drawing about 200 mils plate current.....I was just turning the PA Tuning knob looking for the current dip and ZZZAAPPP!! In both cases, the plate choke burned out about 1/3 of the way up from the DC input end. Also, I had earlier been experiencing some low output so I had installed (and neutralized) a pair of new 4CX250B's. This significantly improved output on the bands below 15 meters.

Can anyone tell me what is going on with this thing?

(Don, if you don't come it soon there are going to be a couple of .45 wounds in it.)

thanks & 73,
Phil
Phil Mills, AB5TH   ****   *****
pmills@a.crl.com
281-992-5762 DAYS
Friendswood, TX   (south of Houston)

From boatanchors@theporch.com Fri Nov 29 19:12:26 1996
From: "Lawrence R. Ware" <lrware@pipeline.com>
Subject: National RCP *nightmare*
Message-ID: <1.5.4.16.19961129195339.28df864e@pop.pipeline.com>

Keepers of the firebottle flames:
Tonight I bring to you a problem and a story, about a poor abused National type RCP receiver...

First the story: This is my second RCP, picked up months ago at
the Shelby hamfest... The seller discribed it as "working, but not
great." It was clean, and I needed another because my first one
with a bad main power transformer and in much poorer cosmetic
shape looked a *lot* like a parts unit when I saw this one.
Now months later serious work on the second RCP has begun...

A close study of this unit gathered the following bits of info:
1) Unit has been recapped, with Black Beauty's! :-(
2) All the IF cans are full of dead critters and critter leavings.
3) Sometime in it's life, it was *extensively* modified. :-(

Some study of the mods leads me to believe that whomever made the
mods had little idea of what he was doing. Bypass caps tied to B+?
Grid bias points changed, AVC disabled, the list goes on and on.
Some really wierd stuff here guys.... :-(
This radio used to have a seperate B- rail, not any more...
Now connected to ground in several places.
Factory B+ was about +225V, factory B- spec'ed at about -100V.
Now *no* B- and B+ floats high but not as high as you might expect.
ARGHHHH! Why would someone make crazy changes like these?
This was never a great radio, but the National engineers had
a pretty good feel for what worked.

Anyway if any of you have heard of these or similar mods to National
radios, or if you have something from an old QST, I'd love to hear
from you.

I like the old Nationals far to much to want to end up with
two parts radios, and I'd also like to know what someone was
trying to accomplish here.

Hints, ideas, thoughts, are all welcome, I'm still planning to
build one working radio out of these two, but admit being a little
daunted at the size of the task ahead...

-Larry

# Larry's Home for Wayward Test Equipment & Old Radios (tm)
# Let your equipment retire in sunny central Florida.
# Intensive Care, Private Bench Space, Frequent Use,
# Factory trained HP, Tek. & Fluke Surgeon on staff.
# Good Home Guaranteed or double your junk back!
# lrware@pipeline.com,   - Orlando, Florida -

From boatanchors@theporch.com Fri Nov 29 19:12:26 1996
From: jlyle@netcom.com (Jim Lyle)
Subject: Need Halli SX-99 Schematics
Message-ID: <199611291734.JAA19667@netcom20.netcom.com>

Hello;

I need schematics and alignment instructions for my Hallicrafters SX-99 receiver. Original preferred, but a copy will get the job done. Please contact me if you can help out.

Thanks,

--
Jim Lyle
jlyle@netcom.COM

From boatanchors@theporch.com Fri Nov 29 19:12:26 1996
From: "Andy Howard, WA4KCY" <102452.362@CompuServe.COM>
Subject: Need Valiant II Manual
Message-ID: <961129214021_102452.362_DHT65-1@CompuServe.COM>

Hi Gang,

Picked up a Valiant II today with the SSB adapter. The transmitter is still in the original box and has all the packing inserts inside. If if has been used at all it was very little. Looks absolutely new in box. Problem: There was not manual for the set. Neither manual was there. No Valiant or SSB adapter manual. First of all, does anyone have an original since the sets appear new. If not, does anyone have a copy? I will pay most of the original of course but will pay fair price for a copy.

Thanks and 73,

~~~~~~
Andrew E. (Andy) Howard, Sr., WA4KCY
105 Sweet Bay Lane
Carrollton, Georgia 30116-8519
Telephone 770-832-0202
Southeastern Division Director, AM International
102452.362@compuserve.com
wa4kcy@usa.net   wa4kcy@juno.com
Vintage Radio Home Page Address:
http://ourworld.compuserve.com/homepages/sweetbay
<><
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"Our Constitution was made for a moral and religious people.
It is wholly inadequate for the government of any other."
John Adams-1798
~~~~~~

From boatanchors@theporch.com Fri Nov 29 19:12:26 1996
From: km1h@juno.com
Subject: Re: On replacing 'lytics...
Message-ID: <19961129.195823.9911.8.km1h@juno.com>

BULL simple and plain................ A disconnected Can Electrolytic has about as much of a chance of continued leaking on your precious radio (in your lifetime anyway) as Madonna has of becoming a nun. No electroylitic action...no problem unless someone has discovered a miracle. If you are really concerned just scrape off the old leakage crud as much as possible and seal the old capacitor connections with some RS or WalMart epoxy.

...........Carl   KM1H   ex National Radio Service Mgr, etc

On Thu, 28 Nov 1996 17:47:29 -0600 (CST) "Roberta J. Barmore" <rbarmore@indy.net> writes:
>
>Hi!
>
>   This is sort of in re the SR-20 Sky Buddy question, but applies
>generally.
>
>   *Sometimes* you can find suitable FP-type cans, and this is the
>best
>fix. The other quick fix is to leave the cans, and stick new uncanned
>
>filters under the chassis.
>   The trouble with putting replacements under the chassis is that
>you've
>left a can or two of semi-caustic goo above the chassis, waiting to
>drizzle out and make a mess of things. I don't like that, and prefer
>to
>yank 'em out.
>
>   And here it gets fun: once you do have the cans out, it is possible
>to
>slice them open, discard the Dreadful Stuff (wear gloves & eye
>protection!), hang a new cap inside (they make them smaller now!), and
>
~~~~~~

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>*carefully* tack the can back together with so-called aluminium solder
>
>(rather caustic goo in and of itself, so be careful!).  Some cans can
>be
>uncrimped at the bottom, but usually you have to cut them.
>   Gettin the innards and potting compound out can be nasty--household
>
>ammonia will sometimes work but I have had to resort to Carbo-Chlor,
>which is a use outdoors, do not inhale, plastic-eating sort of stuff.
>
>Still, the end result is a radio that combines original looks with
>filters that actually filter, so it is worthwhile.  (Sort of--if you
>add
>up the time spent, Frontier's middlin' high prices start looking
>awfully
>good!)
>
>   But however folks decide to fix up their radios, leaving dead
>'lytic
>cans aboard is not without risk.  They are *unlikely* to leak all over
>
>but it could happen, and it'd mean fixing the thing up all over again!
>
>   73,
>   --Bobbi
>



From boatanchors@theporch.com  Fri Nov 29 19:12:26 1996
From: Tony.Seaton@turner.com
Subject: RADIOWORKS WEB
Message-ID: <29F1A820.1689@turner.com>

     Just took a look at Jim W4THU's page.it is a commercial site but has a
     lot of good pix and info on his vintge op positions and is well worth
     the visit.The site is http//:www.radioworks.com

     Tony W4SX  ex W4KQL


From boatanchors@theporch.com  Fri Nov 29 19:12:26 1996
From: Peter Ferrand <petef@sprynet.com>
Subject: Re: Squeal stopper resistors (parasitic suppressors)
Message-ID: <3.0.32.19961129001110.0074f744@m3.sprynet.com>

At 09:42 PM 11/28/96 -0600, you wrote:
>I have here a package of 33 ohm 1/8 watt resistors.  When I am working
```

>with an old set, I look at the RF amplifier and converter wiring. If
>there are bus bars connecting the grid and plate circuits to their
>tuned circuits, I generally replace those bus bars with 33 ohm
>resistors.

<balance deleted for sanity>

Hank, this was a most useful post, and maybe I'm being dense or low in Q myself, but why are bus bars of decisional significance here?

It looks as though what you're saying is that if the set uses bus bars it's more subject to parasitics than if it uses wire to connect these parts. I can see that bus bars have fewer losses than wire but is this really significant in most hf radios?

I do of course understand and agree that different capacitors and tie points can easily affect circuits and their stability.

I would add by personal experience that power supply decoupling and improvement thereof can calm down many circuits. Sometimes the decoupling components were skimped on because the low Q caps didn't cause a problem, sometimes the decoupling has failed and you don't notice until you bring the rest of circuit up to spec. Especially fun if the feedback path is through multiple stages, of course.

-Pete
WB2QLL
petef@sprynet.com

From boatanchors@theporch.com Fri Nov 29 19:12:26 1996
From: "Richard A. George" <wa6jox@rain.org>
Subject: Tubes FS
Message-ID: <Pine.SUN.3.95.961129130812.11253A-100000@coyote.rain.org>

I have a box of tubes for sale. Most of these were pulled from working equipment but are untested. I'm open to the best offer cash or trade. Please e-mail direct. I will pay UPS, CONUSA.

The box contains 98 ea minature 7 and 9 pin tubes, and around 60 ea larger tubes some are xmit types. It also encludes 60 ea tube shields, some are the black heat sink types.

I also have 2ea good 5adp4 scope tubes.

thank you K6KWQ

From boatanchors@theporch.com Fri Nov 29 19:12:26 1996
From: Allen Tucholski <allent@en.com>
Subject: Want Schematic For Gonset 3156AM Aircraft Receiver
Message-ID: <1.5.4.16.19961129093603.2c7fe6c2@en.com>

Hello all,

I am restoring a nice Gonset 3156AM aircraft receiver and in need of the schematic.
Most resistors need replacing, and their color bands have worn off.
I believe there were 2 versions of this receiver, I have the older one, gray cabinet
dial freq coverage is 112 Mhz - 132Mhz AM.

This receiver has the following tubes:
6BQ7 RF amp, 12AT7 OSC/ Mixer , (2) 6JB6 IF, (1) 6BH6 IF, (1) 6CR6 ? , (1) 6Al5 and a 6AQ5 audio out.

A copy of the schematic would be fine.
I will pay shipping/copy cost.

Thanks, Allen
NASA Lewis Reasearch Center
Cleveland, Ohio

From boatanchors@theporch.com Fri Nov 29 19:12:26 1996
From: k0az@i1.net (MIKE SANDERS)
Subject: Wanted HRO speaker and dial scales..... For Sales
Message-ID: <199611300054.SAA16393@mail1.i1.net>

Greetings All,

As I do once in a while I post looking for the above. Would like to buy or trade for a National speaker for early HROs, NC100, 101 series or whatever in the black wrinkle finish style. My HRO   sr? would like to have one. I am still looking for dial scales for the HRO50/60 for AC and AD coils.

I would like to move a Gonset G76 that is in fair condition. The unit worked when I tried it out a few months back but the modified Heath HP23B supply blew. I repaired and unmodified the Heath supply and have not fooled with the Gonset since. The receiver was very good and the transmit did good output but I do not remember what. Modulator worked too. Soooo 60 bux and I will ship it Conus including original manual. I am keeping the supply for utility use on the bench.

Maybe the last real buy of 96. St. Louis area pick up only. I have a pair of GSB100s. One is clean but missing the power transformer (whats new?) The other is clean but has a badly rusted cabinet. It has a power transformer but I have never tried powering it up. 50bux for the pair p/u. Yep, like most everything else I got an original manual goes too.

Got a Gonset G63 receiver in nice shape that works well for what it is. It had two non original knobs. The main tuning and the bandswitch. I have new original knobs for it that have cracks in them. I have a manual but do not remember if it is original or a good copy. I want 80 bux plus cost of shipping this one and I will pack it myself.

I still have this guys HW16 in my garage. He wants 75 for it. It is clean and works but has no manual. I will pack it if you will pay shipping and I will give him his money. I would like to get it out of my garage.

Got an extra Heath HM102 wattmeter in nice shape. 25 plus shipping and I will pack it.

2 Heath HM15 ? long skinny swr meters SB style. 15 each plus shipping.

Thats enough for now. More to follow later.   73, Mike K0AZ

From boatanchors@theporch.com Fri Nov 29 19:12:26 1996
From: Jack Harper <jharper@bs2000.com>
Subject: WTB: 1960, 61, 64 Allied Catalogs
Message-ID: <199611292156.OAA19776@lynx.csn.net>

Looking for these to complete my collection...

Thanks for any leads.

Regards

Jack, KC0LR (Friend to all things Hammarlund)

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---------------------------------------------------------------------
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voice:  303-277-1892 fax: 303-277-1785  Golden, Colorado 80401 USA

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      1024-bit PGP crypto key with ID: 8FB07075 created 960728
    Fingerprint: 75 DA 06 35 F8 3D AC EC 3A F2 7C 59 A1 11 A5 74
      Key available from Public Key Servers and above Web Page
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